

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004216

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/4365 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/054505 A (KOLODZIEJ STEPHEN A ; VERNIER WILLIAM F (US); LEE LEN F (US); PHARMACI) 1 July 2004 (2004-07-01) page 123, line 26 page 259, line 20 claim 23	1-15
X	DD 275 688 A (UNIV LEIPZIG) 31 January 1990 (1990-01-31) the whole document	1-15
X	WO 93/13664 A (SCHERING AGROCHEMICALS LTD) 22 July 1993 (1993-07-22) example 50	15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

28/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHERIF S M ET AL: "BETA-ENAMINONITRILES IN HETEROCYCLIC SYNTHESIS: A NOVEL ONE-POT SYNTHESIS OF THIOPHENES AND THEIR FUSED DERIVATIVES" JOURNAL OF CHEMICAL RESEARCH. SYNOPSES, LONDON, GB, 1996, pages 356-357, XP001166932 ISSN: 0308-2342 the whole document	15
X	LEISTNER SIEGFRIED ET AL: "1,3-Bis(pyridin-2-ylthio)propan-2-ones, Bis(thieno(2,-3-b)pyridin-2-yl)ketones and 5H-Bispyrido(3,2':4,5)thieno(2,3-b:2',3'-e)pyridin-11-ones" ARCHIV DER PHARMAZIE (WEINHEIM), vol. 326, no. 12, 1993, pages 959-961, XP009042878 ISSN: 0365-6233 page 960	15
A	WO 03/037860 A (KASIBHATLA SRINIVAS RAO ; ZHANG LIN (US); BOEHM MARCUS F (US); FAN JUN) 8 May 2003 (2003-05-08) the whole document	1-15

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 12-14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

—Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004054505	A	01-07-2004	WO 2004054505 A2	01-07-2004
			US 2004127519 A1	01-07-2004
			US 2004127511 A1	01-07-2004
DD 275688	A	31-01-1990	DD 275688 A1	31-01-1990
WO 9313664	A	22-07-1993	AU 3262593 A	03-08-1993
			CN 1076697 A	29-09-1993
			WO 9313664 A2	22-07-1993
WO 03037860	A	08-05-2003	CA 2464031 A1	08-05-2003
			EP 1440072 A2	28-07-2004
			WO 03037860 A2	08-05-2003